Identifying and classifying myocardial infarctions 150
In this issue of the Journal, Drs. Shaun Senter and Gary Francis discuss the power of electrocardiographic changes and creatine kinase-MB and troponin elevations in diagnosing acute myocardial infarction. These are not perfect tests.

B.F. MANDELL

Unilateral cotton wool spots: 155
An important clue
The patient has sudden loss of vision in one eye and unilateral cotton wool spots on fundoscopy. What is the cause?

T. THIYAGARAJAN, H. ELKAMBERGY, V. MAHAJAN, AND P. KUMARAGURU

A new, precise definition of acute myocardial infarction 159
The updated definition includes subtypes of acute MI, imaging studies supporting the diagnosis, and biomarker thresholds after percutaneous coronary intervention and coronary artery bypass grafting.

S. SENTER AND G.S. FRANCIS

Psychiatric symptoms of dementia: 167
Treatable, but no silver bullet
Your 84-year-old patient’s son is distraught. “I know Mom has dementia, but I don’t understand why she cannot relax. Please give her a pill.”

W. SCHWAB, B. MESSINGER-RAPPORT, AND K. FRANCO

The radiologic workup of a palpable breast mass 175
The discovery of a breast mass is a common occurrence, and it is distressing for any woman. The choice of initial imaging study is most often guided by the patient’s age.

L. STEIN AND M. CHELLMAN-JEFFERS

CONTINUED ON PAGE 148
CONTINUED FROM PAGE 146

Optic neuritis and risk of MS: 181
Differential diagnosis and management

Optic neuritis, a demyelinating inflammatory condition that causes acute vision loss, is associated with multiple sclerosis. Recognizing its classic clinical manifestations early is important so that diagnostic testing and treatment can be started.

B.J. OSBORNE AND N.J. VOLPE

A 43-year-old woman with chest pressure

She has acute chest discomfort, a 25-pack-year smoking history, and a family history of myocardial infarction and deep vein thrombosis. What is the cause of her symptoms?

D. MICKELSON, E.N. MADY, AND K. TENG

A 37-year-old man with chest pain, ECG changes, and elevated cardiac enzymes

He has had chest pain and dyspnea for the past few months, but now they are worse. What is the most likely cause?

A. AGHEL AND R.A. KRASUSKI

Letters to the editor 152
Hyperthyroidism or thyrotoxicosis?
Shingles vaccine
CME calendar 205
About our CME Self-test Online 206
To receive CME credit, read the selected articles in this issue and then go online to take the test. It should take about 1 hour and 30 minutes to complete this activity. Release date: March 1, 2009. Expiration date: February 28, 2010.

How do omega-3 fatty acids improve heart health?
Advance care planning: Beyond the living will
How much does pregabalin help in fibromyalgia?
What is the value of measuring serum ammonia in hepatic encephalopathy?
Diseases from pet birds
Small-fiber neuropathy: A burning problem
When to image a suspected rib fracture
A 72-year-old man with a purpuric rash